



## MISARC Industries

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### 400AMPS DIESEL WELDING GENERATOR WITH TRAILER



## 400AMP DC ARC WELDING MACHINE

WELDING CURRENT	400Amp @ 60% duty cycle
WELDING PROCESS	ARC, Gouging cutting
OPERATING VOLTAGE	20-40V
WELDING PERFORMANCE	Adopts advanced inverter soft switch technology, PWM control technology, and negative feedback control technology
NO LOAD VOLTAGE (OCV)	70-90 V
ENGINE POWER	22KW to 40KW
CYLINDER NO / ARRANGEMENT	4/L
COOLING SYSTEM	Water cooling
FUEL CONSUMPTION	0.23L/kw.h
EXHAUST SYSTEM	Use the industrial noise reduction silencer
FILTER SYSTEM	Use the unitary replaceable lube oil filter, fuel filter and air filter
AIR SYSTEM	Self-Taking dry style Air filter
STARTUP MODE	12V DC Automatic Startup
BATTERY	Charging generator of storage battery, with a set of high-powered storage battery, connected by cable /tie-in with the Genset.
FUEL TANK CAPACITY	100 L

## GENERATOR SPECIFICATIONS:

AC GENERATOR OUTPUT POWER	15KV <sub>a</sub>
VOLTAGE	220V / 380V AC 50Hz
POWER FACTOR	0.8
PHASE NO & CONNECTION	3 phase, 4 wires
INSULATION CLASS	H
PROTECTION CLASS	IP23
VOLTAGE RANGE OF GENSET	±10%
STEADY VOLTAGE REGULATION	<±1%
TRANSIENT VOLTAGE REGULATION	<(-15~+20)%
VOLTAGE STABILIZATION	≤1S
VOLTAGE FLUCTUATION RATIO	≤0.5%
STEADY FREQUENCY REGULATION	≤±1%
FREQUENCY STABILIZATION	≤3S
FREQUENCY FLUCTUATION RATIO	≤0.5%
AUXILIARY POWER	50hz upto 230 V
RATED VOLTAGE	50hz upto 230 V
CLIMATE VERSION	U1
AUTOMATIC EMERGENCY PROTECTION	Emergency auto stop
ELECTRIC FUEL LEVEL INDICATOR	Yes
HOUR METER	Yes



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# CONTROL SYSTEM

It is an auto mains failure controller for welding and generator, it can monitor and protect the welder generator working all the time.

it has a LCD display which clearly shows the status of the engine. This

controller include seven inputs and six outputs.

This controller can also be programmed using the frong panel or by using DSE configuration Suite PC software.

## Parameters:

This controller can provide Generator frequency, Under/over speed, Generator volts, Generator current, Engine oil pressure, Engine coolant temperature, Flexible fuel level, Hours run counter, Battery volts, Fail to start/stop, Emergency Stop.

Failed to reach loading voltage/frequency, Charge fail, Loss of magnetic pick-up signal, Low DC voltage, CAN diagnostics and CAN fail/error, Mains volts 3 phase, Mains frequency, AMF indications

## Protection:

- |                                 |  |
|---------------------------------|--|
| 1. Low Oil Pressure             | 5. Volt adjuster and frequency adjuster. |
| 2. High water Temperature       | 6. Emergency stop                        |
| 3. High voltage and low voltage | 7. Fail to start                         |
| 4. Overspeed                    |  |

## Features:

- |   |   |
|---|---|
| 1. Protection: Automatic start/stop, load transfer and alarming of generator;       | 8. Protected solid state outputs.   |
| 2. 4 digital inputs and 3 analogue inputs.  | 9. Transfer between mains and generator power.                                      |
| 3. 6 outputs(4 configurable on magnetic pick-up, 6 configurable on Canbus version). | 10. User-friendly set-up and button layout.   |
| 4. 3 phase generator and mains voltage monitoring.                                  | 11. Multiple engine parameters are monitored simultaneously.                        |
| 5. Remote start on or off load.   | 12. Module can be configured to suit individual applications.                       |
| 6. Advanced metering capability.  | 13. IP 65 rating offers advanced resistance to water ingress when gasket is fitted. |
| 7. Test button.   |   |



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